

Notice of Allowability

Application No.

10/718,746

Examiner

Joon H. Hwang

Applicant(s)

KEMMLER, ANDREAS

Art Unit

2166

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to a telephone interview with Mark Van Ness (Reg. No. 39,865) on 3/3/06.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☒ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: Germany 103 48 665.8 10/15/2003.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

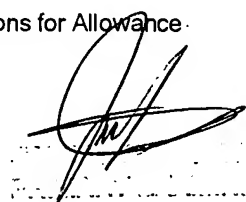
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached.
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 11/03/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____



DETAILED ACTION

1. The applicants amended claims 1, 7, 11, and 17 in the amendment received on 10/31/05.

The pending claims are 1-20.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with Mark Van Ness (Reg. No. 39,865) on 3/3/06.

The application has been amended as follows:

Rewrite claim 1 as follows:

"1. A computer-aided database system comprising:

an application layer in which, independently of one another, applications for registering data objects of various data object types into a database associated with a respective application are executed, the respective application in the application layer, in response to a registration operation, producing information about the data objects and about the registration in a form of a reference to a prescribed structure;

a record layer which is encapsulated with respect to the application layer and in which a number of record writers each having a dynamic interface are implemented;

a table in which a data object type has a respective associated record writer, the record writer associated by means of the table being designed to access via the dynamic interface the reference and hence the information about the data objects and about the registration; and

a record registrar for permanently storing record object data in the database; transferred by a record writer and comprising the information about the data objects and about the registration.”

Rewrite claim 3 as follows:

“3. The database system as claimed in claim 1, wherein the record registrar is designed to produce and store a change record comprising a record object data.”

Rewrite claim 4 as follows:

“4. The database system as claimed in claim 1, further comprising a customizing table upstream of the table, the customizing table to activate record writing for various data object types.”

Rewrite claim 8 as follows:

"8. The database system as claimed in claim 1, further comprising various record writers derived from a standard record writer for a standard data object type, wherein each of the various record writers inherits at least one of said standard record writer's methods and/or interface."

Rewrite claim 9 as follows:

"9. The database system as claimed in claim 1, wherein the record writers are created or changed during operation of the database system."

Rewrite claim 10 as follows:

"10. The database system as claimed in claim 1, wherein the information about the data objects comprises the data objects before registration, the data objects after registration, registration times for the data objects, and identifiers of initiating users or processes."

Rewrite claim 11 as follows:

"11. A method for operating a computer-aided database system having an application layer in which, independently of one another, applications which register data objects of various data object types into a database associated with a respective application are executed, comprising:

a respectively addressed application in the application layer, in response to a registration operation, produces information about the data objects and about the registration of the data objects in a form of a reference to a prescribed structure and calls up a record writer from a number of record writers which is associated with a data object type by means of a table using a dynamic interface, the record writers implemented in a record layer encapsulated with respect to the application layer;

the record writer accesses via the dynamic interface the reference and hence the information about the data objects and about the registration via the dynamic interface, and transfers record object data having the information about the data objects and about the registration to a record registrar; and

the record registrar permanently stores the record object data in the database."

Rewrite claim 13 as follows:

"13. The method as claimed in claim 11, wherein the record registrar produces a change record from a record object data and stores said change record."

Rewrite claim 14 as follows:

"14. The method as claimed in claim 11, wherein evaluation of the table is preceded by evaluation of a customizing table to activate record writing for various data object types."

Rewrite claim 18 as follows:

"18. The method as claimed in claim 11, wherein various record writers are used, each of the record writers being derived from a standard record writer for a standard data object type and inheriting at least one of said standard record writer's methods and/or interface."

Rewrite claim 20 as follows:

"20. The method as claimed in claim 11, wherein the information about the data objects used comprises the data objects before registration, the data objects after registration, registration times for the data objects, and identifiers of initiating users or processes."

Allowable Subject Matter

4. Claims 1-20 are allowed.

Reason For Indicating Allowable Subject Matter

5. Claims 1 and 11 identify the distinct features, an application layer in which, independently of one another, applications for registering data objects of various data object types into a database associated with a respective application are executed, the respective application in the application layer, in response to a registration operation, producing information about the data objects and about the registration in a form of a reference to a prescribed structure, are not taught or suggested by the prior art made of records. The closest prior art, Ching (U.S. Patent No. 6,407,761) disclosing a registration of business objects, fails to suggest the claimed limitations as mentioned above in combination with other claimed elements. The above features in conjunction with all other limitations of the dependent and independent claims 1-20 are hereby allowed.

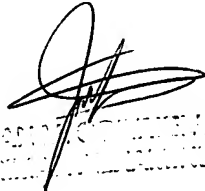
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joon H. Hwang whose telephone number is 571-272-4036. The examiner can normally be reached on 9:30-6:00(M~F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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3/3/06